



#5

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Virtanen, Jorma

(ii) TITLE OF INVENTION: Spatially Addressable, Cleavable
Reflective Signal Elements, Assay Device
and Method

(iii) NUMBER OF SEQUENCES: 13

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Oppenheimer Wolff & Donnelly LLP
- (B) STREET: 2029 Century Park East, Suite 3800
- (C) CITY: Los Angeles
- (D) STATE: California
- (E) COUNTRY: USA
- (F) ZIP: 90067

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy Disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: Microsoft Windows 98
- (D) SOFTWARE: MS Word

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER:
- (B) FILING DATE:
- (C) CLASSIFICATION: 435

(vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 09/419,407
- (B) FILING DATE: October 15, 1999
- (A) APPLICATION NUMBER: 09/394,137
- (B) FILING DATE: September 10, 1999
- (A) APPLICATION NUMBER: 08/888,935
- (B) FILING DATE: July 7, 1997
- (A) APPLICATION NUMBER: 60/030,416
- (B) FILING DATE: November 1, 1996
- (A) APPLICATION NUMBER: 60/021,367
- (B) FILING DATE: July 8, 1996

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Oldenkamp, David J.
- (B) REGISTRATION NUMBER: 29,421
- (C) REFERENCE/DOCKET NUMBER: 18950-17-1

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (310) 788-5000
- (B) TELEFAX: (310) 788-5100

(2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single-stranded DNA
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
CGGGTGTGG

9

(2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single-stranded DNA
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CGGGTGTGA

9

(2) INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single-stranded DNA
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CGGGTGTGC

9

(2) INFORMATION FOR SEQ ID NO: 4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single-stranded DNA
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CGGGTGTGT

9

(2) INFORMATION FOR SEQ ID NO: 5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9
 - (B) TYPE: nucleic acid

- (C) STRANDEDNESS: single-stranded DNA
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CGGCCGCGG

9

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single-stranded DNA
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GCCCACACCG CCGGCGCC

18

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single-stranded DNA
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

GCCCACACTG CCGGCGCC

18

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single-stranded DNA
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GCCCACACGG CCGGCGCC

18

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

GCCCACAGCC GGCGCC

16

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 33

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

TGAGACACCA GGAATTAGAT ATCAGTACAA TGT

33

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 33

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

CTAAATCAGA TCCTACATAT AAGTCATCCA TGT

33

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: nucleic acid

(C) STRANDEDNESS: -single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

TAGATATCAG TACAA

15

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

TATTCAGTAG GTACA

15